SBR No. 45/21-22
DATED 01-12-21

EE/ELE/Y/BR No. 45/21-22
Dt. 01/12/21

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

No. 3rd RA bill (For Other Works) Date.....2010

Division: **Electrical (yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....
Sub Divisional **Job Code :-008-16-000013**

Schedule Docket No. Head of Account : **P 0300** M&R to Street lights - Replacement of Burnt bulbs etc
D.R.No. **: Period: 01-07-2021 to 30-09-2021 (for 3 months)**

Name of Work : *Operation and maintenance of Street Lighting system in Ward No 08 Package Y-08 of Yelahanka Zone"*

Name of Contractor and Full Address:**M/S. Jaicab Electricals**
Reference to Agreement No:EE/Ele/YLK/TEND/WO/000042/2020-21 Date:06/01/2021

Certified that the measurements were taken by me on 4/10/21 and recorded of Pages 257189 to 0/9/0 of measurement Book No. 2572/21-22 and that the work is satisfactorily executed.

For JAICAB ELECTRICALS
Proprietor
Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on 4/10/21 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	3rd R A Bill = 660912=00
2)	Deduct amount to be held in reserve being .....percent Rs.....	9+1-1= 6609=00
3)	" Balance	Lwc1-1= 6609=00
4)	Deduct Payment:	CBFo1-1= 661=00
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No. ..... Amount adjusted towards cash advance recovery of	CGst1-1= 6609=00
	b) Payments Now made cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	SGst1-1= 6609=00
		Fine = 9000=00
		S.V. = 13218=00
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	Deduction = 49315=00
8)	Advance to Contractor for materials brought to site (as detailed) within.	Payable = 611597=00
9)	Value of Government materials supplied.	

Total amount adjusted

For JAICAB ELECTRICALS
Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

Proprietor

(For use in the Office)

Witness
1.
2.

Dated Signature of Contractor

For JAICAB ELECTRICALS
Stamp
Proprietor

Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....
Initials of Officer making payment

P0300 M&R to Sreet lights

Executive Engineer

660912=00
611597=00
49315=00

Sl. No.	Description of item	U
	Name of Work :- Operation and maintenance of Street Lighting system in Ward No 08 Package 08 of Yelahanka Zone	Y
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starter and switching ON/OFF of street lights at specified timing and Pole numbering,Preparing ward wise , street wise data bank furnishing maintenance reports every day etc complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below	
	i) Poles with 36/40 W fluorescent tube light street lighting system	
2	iii) 125 W HPMV Light Park Lighting System	No
3	v) Poles with 250W HPSV light street lighting system	No
4	vii) Poles with 400 watts HPSV light street lighting system	No
5	Viii) Poles with 24 Watts LED Light street lighting system	No
6	viii) Poles with 65 Watts LED Light street lighting system	Nos
7	viii) Poles with 90 Watts LED Light street lighting system	Nos
8	viii) Poles with 110/120 Watts LED Light street lighting system	Nos
9	B Work to be carried ut as per requirment & actuals and as per the directions of the in charge engineer Painting of existing Street lighting pole after scraping the oid paint and painted with suitable colour enamel/silver paint including copingflooting of the pole a) Upto 5 Mtrs light pole	Nos
10	c) 8 Mtr and above Street light pole	Nos
11	Moulded Case Circuit Breaker (MCCB) three pole 100Amps 25kA.	Nos
12	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.200mmx200mmx98mm	
13	Thiristor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load ballancing.4.Load power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit(Mother board):Handles controlling,data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5) Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly.6) Metal Enclosure : IP66 weather prof metal enclosure.7) Transformers: Customized step down transformers for various purposes.8) Wiring and other device assembly components.	
	TOTAL	
	Add GST 12 % on item no 9 to 13	
	TOTAL Rs	
	Fine imposed for non burning of street lights For the period of 1/7/2021 to 30/9/2021	
	As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material	
	GRAND TOTAL	

Certificate

The above said monthly maintenance work has been carried out satisfactorily

Assistant Executive Engineer(Ele)
BBMP, Bangalore

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
		For	3	Months	Upto Date paid so for 8 Months 20 Days		
326x5 Months 20 Days	76665.65	326	41.66	40743.48	326x8 Months 20 Days	117409.13	
110x5 Months 20 Days	36220.01	110	58.33	19248.90	110x8 Months 20 Days	55468.91	
2148x5 Months 20 Days	909409.50	2148	75.00	483300.00	2148x8 Months 20 Days	1392709.50	
110x5 Months 20 Days	51743.76	110	83.33	27498.90	110x8 Months 20 Days	79242.66	
25x5 Months20 Days	8231.82	25	58.33	4374.75	25x8 Months20 Days	12606.57	
27x5 Months 20 Days	12700.74	27	83.33	6749.73	27x8 Months 20 Days	19450.47	
302x5 Months 20 Days	142060.15	302	83.33	75496.98	302x8 Months 20 Days	217557.13	
14x5 Months 20 Days	6585.57	14	83.33	3499.86	14x8 Months 20 Days	10085.43	
0	0.00	0	500.00	0.00	0	0.00	
0	0.00	0	700.00	0.00	0	0.00	
0	0.00	0	2000.00	0.00	0	0.00	
0	0.00	0	2000.00	0.00	0	0.00	
0	0.00	0	40000.00	0.00	0	0.00	
	1243617.21			**660912.60**		**1904529.81**	
	0.00			0.00		0.00	
	1243617.21			**660912.60**		**1904529.81**	
	35100.00			9000.00		44100.00	
	24872.34			13218.25		38090.60	
	1183644.86			**638694.35**		**1822339.21**	

3rd RA Bill

SBR No. H5/21-22
DATED 01-12-21

BoW Period 1/7/21 to 30/9/21 (For 3 months)

M. A. R. 57 (Rule 116)
Measurement Book

No. D 257189

Name of work Operation and maintenance of Street Lighting System in wards & Providing of 9 nos From Zones To

Name of Contractor of nature of Agency M/s Jaicab Electricals

Date of commencement of work GHL/EM/726/TEND/WO/000042/20-21 Dated 6/1/21

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1)	Operation and maintenance of Street Lighting for Details refer MB Page No 25710						
	i) Poly with 36/40W Halogen Tube light Street Lighting System	3 nos	326	nos	41-66	C	40763-40
2)	iii) 120W Home Light Pole Lighting System	3 nos	110	nos	58.33	C.	19248-90
3)	b) Poly with 250W HPSV Light Street Lighting System	3 nos	2168	nos	754	C	633000=00

C Bill Amount Due 4/10/21

4/10/4

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
६)	VIII Poly with 2000W [illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	Lighting System	3 Nos	110	Nil	83.33	Ea	27498-00
५)	VIII Poly with 200W LED [illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	Lighting System	3 Nos	25	Nil	83.33	Ea	6337=75
६)	VIII Poly with 650 LED [illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	Lighting System	3 Nos	27	Nil	83.33	Ea	6749=75
७)	VIII Poly with 90W LED [illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	Lighting System	3 Nos	302	Nil	83.33	Ea	75496=50
८)	VIII Poly with 110/120W LED Street Lighting						
	System	3 Nos	14	Nil	83.33	Ea	3499-86

M. A. R. 57 (Rule 116) No. D 257190

Measurement Book

...al No. .....

...me of work ..... From ..... To .....

...me of Contractor of nature of Agency.....

...e of commencement of work.....

...ate	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
	2	3	4	5	6	7	8
	Add GST 12% on Item No 9 to 13.						660912-60
							00=00
	Fund Employed for NON Working Period 9/17/21 to 30/9/21 by 2% towards NON Returning						660912=60
							9000=00
							13218=25
							638694=35
	Certificate:- Certify that the work has been carried out satisfactorily.						

Assistant Executive Engineer (Ele)
BBMP, Bangalore

Assistant Executive Engineer (Ele)
BBMP, Bangalore

MEASUREMENT BOOK

[EE/ELE/Y/BR No. 45/21-22

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
01-12-21	3rd RA Bill 660912. It 1% = 6609=00 Lwc 1% = 6609=00 CBF 0.1% = 661=00 cgst 1% = 6609=00 sgst 1% = 6609=00 Fine = 9000=00 S.V = 13218=00 Deduction: 49315=00 Bycheq = 611597=00					PO300 mR to Street lights 660912=00 611597=00 49315=00	